



Year 4 Spring 2

Knowledge Organiser



Science We will be learning about teeth, the digestive system and food chains.

Key Knowledge

Food enters the body through the mouth.

Digestion starts when the teeth start to break the food down. Saliva is added and the tongue rolls the food into a ball.

The food is swallowed and passes down the oesophagus to the stomach. Here the food is broken down further by being churned around and other chemicals are added.

The food passes into the small intestine. Here nutrients are removed from the food and leave the digestive system to be used elsewhere in the body.

The rest of the food then passes into the large intestine. Here the water is removed for use elsewhere in the body.

What is left is then stored in the rectum until it leaves the body through the anus when you go to the toilet.

Humans have four types of teeth: incisors for cutting; canines for tearing; and molars and premolars for grinding (chewing).

Key Vocabulary

Digestive system,
digestion, mouth,
teeth, saliva,
oesophagus, stomach,
intestine, teeth, incisor,
canine, molar,
premolars, herbivore,
carnivore, omnivore,
producer, predator,
prey, food chain

Geography In Geography this term, we will be learning how to use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

Key Knowledge

The Earth's crust is made up of plates. As plates move in different directions over long periods of time, friction causes energy to build up. It becomes so great that the energy is released, which creates a shock wave - an earthquake

Key Vocabulary

Rivers
Mountains
Volcanoes
Earthquakes

Computing We will be learning how to use spreadsheets.

Key Knowledge

A spreadsheet is a computer program that represents data in cells in a grid of rows and columns.

Cells in advanced mode have rows labelled with numbers, and columns labelled with letters. So, each cell has a number and letter. For example, A1 or D7.

Key Vocabulary

Artificial
Intelligence
Data
Algorithm
Systems

DT - In DT we will be focusing on cooking and nutrition and adapting a recipe to use to bake biscuits.

Key Knowledge

The children will work in groups to adapt an existing biscuit recipe, whilst taking into account the cost of the ingredients and other expenses against a set budget.

Key Vocabulary

Nutrition
Adapt
Recipe
Ingredients

Music—We will be learning about body and tuned percussion and focusing on the sounds of the rainforest.

Key Vocabulary

Body percussion
Tempo
Rhythm
Structure
Texture
Compose
Melody
Loop
Pitch

Key Knowledge

To know that deciding the structure of music when composing can help us create interesting music with contrasting sections.

To know that combining different instruments and different rhythms when we compose can create layers of sound we call 'texture'.

To know that a 'loop' in music is a repeated melody or rhythm.

PSHE—We will be learning what a healthy diet comprises of and to recognise the positive and negative effects our diets can have on our bodies (obesity, tooth decay)

Key Vocabulary

Balanced diet
Carbohydrates
Dairy
Protein
Fats
Sugars
Vitamins

Key Knowledge

We need a balanced diet to have a healthy diet.

A balanced diet is having a range of food groups, with healthy groups been eaten in greater amount than sugary groups.

RE— Judaism—What occasions in people's lives are significant and why?

Key Vocabulary

Rosh Hashanah
Yom Kippur
Hanukkah
Bat Mitzvah

Key Knowledge

Jews celebrate in many ways:

Rosh Hashanah - marks the start of the Jewish new year.

Yom Kippur - the Day of Atonement, the opportunity to cleanse himself of his sins and renew his relationship with God.

Hanukkah – festival of lights.

Art-

We will be focusing on drawing and sketching facial expressions, and body language.

Key Vocabulary

Line
Texture
Pattern
Form
Shape
Tone
Smudge
Blend

Key Knowledge

To organise line, tone, shape and colour to represent different figures and forms in movement.

To show facial expressions and body language in their sketches.

Annotate sketches to explain and elaborate their ideas.

Other relevant information for this half term

English—This term we will be exploring the exciting story of ‘The Incredible Book Eating Boy’ and reading ‘The Astounding Broccoli Boy’

Spelling— It is vital that children learn the Year 3/4 statutory spellings and know the spelling rules associated with these words to apply to new and unfamiliar spellings. We will study these spellings and those with similar spelling rules and letter patterns in both spelling and handwriting lessons.

Reading— We cannot stress enough that children need to read and have their reading diaries signed 4 times a week. Children who do not read at home will read in Catch Up Club on Friday playtime.

Maths— Fractions and decimals are our focus in Maths for this half term. There will also be a large emphasis on learning the times tables ready for the multiplication tables check in June.

PE—Lessons are on a Wednesday afternoon. A white t-shirt, black joggers/leggings or shorts and trainers are required.

French—We will be learning how to talk about our face and other body parts.

Art—We will also be focusing on the artist Degas. We will be looking at his style of painting and creating a piece like his.